

SCCARA-GRAM



Santa Clara County Amateur Radio Association

Volume 48, Number 6

June 2023



Meetings & Gatherings

Our in-person meetings have resumed, except the board meetings are still being held on our 2 m repeater. The Electronic Flea Markets have resumed, it's now at West Valley College. We will resume operating Field Day together as a club again.

News from the CDC: The pandemic emergency is over. However the virus is still with us, it's now endemic. Whether we'll need annual boosters is yet to be determined. For now older adults and the immune compromised should get a second booster for the omicron variant.



Field Day June 24-25

We'll be at the club station, San Jose Red Cross

Objective: To work as many stations as possible on the 160-, 80-, 40-, 20-, 15- and 10- meter bands, as well as bands 50 MHz and above, and in doing so to learn to operate in abnormal situations in less than optimal conditions.

Field Day will be held June 24-25 (it's always the fourth full weekend), beginning at 1800 UTC (11 AM PDT) Saturday and ending at 2059 UTC (11 AM PDT) Sunday. See the ARRL Field Day rules at <https://www.arrl.org/field-day-rules>.

This year SCCARA will work Field Day at the club station at the San Jose Red Cross (N. 1st. & Plumeria), 11am Sat. - 11am Sun. We will utilize the radio room for two HF stations and have a GOTA station (get on the air) located on the patio area. The GOTA station will allow visitors the opportunity to try out ham radio.

For more information on Field Day you can attend our June 12 general meeting in room 3 of the San Jose Red Cross, 7:30 pm. If you would like to drop by on Field Day, signs will be posted to direct you to areas of activity.

Don K6PBQ will be our Grill Master. See Don's article on Field Day Food for a list of what SCCARA will provide for guests and members. Food and community has always been a part of SCCARA's Field Day. Come visit, have something to eat, and maybe even make a contact with ham radio.

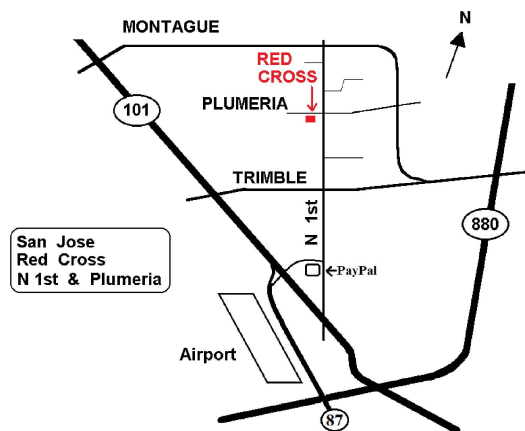
Hope to see you there!
Gregg KF6FNA - President

Calendar

- 6/11 Electronics Flea Market
- 6/12 SCCARA General Meeting
- 6/19 SCCARA Board Meeting: On our 2 m repeater after the net at 7:30 PM)
- 6/24-25 Field Day – at the club station, Red Cross

General Meeting

- Day: Monday, June 12
- Time: 7:30 PM
- Place: San Jose Red Cross, meeting room 3
- Featuring: Field Day



Field Day Food

Field Day is June 24 & 25th, 11:00 AM on Saturday - 11:00 AM on Sunday. We'll be at the American Red Cross. SCCARA will provide hot dogs and hamburgers for Saturday (including condiments and drinks). If you want to bring something else to BBQ, I'm happy to do it for you. All the rest is pot-luck, everyone should bring a dish to share. Cold dishes are easier, there is a microwave if you need to warm up something, and there's a stove--but only if you're willing to clean up after yourself. There is a refrigerator--everyone at the Red Cross may use it, so be sure

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SCCARA was formed in 1921 and became a non-profit corporation in 1947. SCCARA is an affiliate of the American Radio Relay League (ARRL). The club station is W6UW.

Permission to reprint articles is hereby granted, provided the source is properly credited.

The deadline for articles is the **last Monday of the month.**

Web page: www.qsl.net/sccara

club email: w6uw@arrl.net or w6uw@sbcglobal.net

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(officers are also directors)

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	e-mail: ka6ymd@arrl.net	

SCCARA REPEATERS

SCCARA owns and operates two repeaters under the call W6UU:

2 meter: 146.985 - PL 114.8
70 cm: 442.425 + PL 107.2

Phone auto-dial and auto-patch is available. The two meter repeater is located at Eagle Rock near Alum Rock Park in the foothills of east San Jose. The 70 cm repeater is located at the Regional Medical Center (formerly Alexian), east of downtown San Jose, north of 280 and 101.

SCCARA NETS

On our two meter repeater: Mondays at 7:30 PM, (not the second Monday--our meeting night). Coordinator: Don Village, K6PBQ. On ten meters, 28.385 MHz USB, Thursdays at 8:00 PM. Net control: Wally Britten, KA6YMD. Visitors welcome.

NØARY PACKET BBS

SCCARA hosts the packet BBS NØARY (connect to n0ary-1). User ports: 145.09 MHz at 1200 baud, 433.37 MHz at 9600 baud, and telnet sun.n0ary.org (login "bbs"). Sysop: Gary Mitchell, WB6YRU. For general packet info, see the NCPA web site ncpa.n0ary.org.

AMATEUR LICENSE TESTING

ARRL/VEC Silicon Valley VE group:
Morris Jones, AD6ZH: 408-507-4698

to label anything you put in there with "SCCARA" (or your name if it's just for you). For Sunday SCCARA will provide Danishes, fresh fruit, and drinks.

Our club station at the Red Cross won't be open on Saturday June 24 for *general* operating. It will be open for ARRL Field Day operating only. Have fun at Field Day!



73, Don Village K6PBQ, Field Day food chairman

Repeater Work

I serviced the two D8 batteries that run the repeater. All twelve cells floated the hydrometer in the green. Simply amazing, as the batteries are over ten years old! I added four cups of distilled water which brought all cells back to their recommended flooded state. I applied a mild baking soda solution to the terminals which removed some flowering corrosion and rinsed with copious amounts of water from the garden hose. Should be good for another six months.



Goetz Brandt, K6GKB

ARRL News

From *The ARRL Letter*, April 27, 2023

ARRL Advocates for Radio Amateurs as FCC Proposes Changes to 60-Meter Band

The Federal Communications Commission (FCC) is seeking comments about changing the secondary allocation available to radio amateurs on 60 meters. The FCC issued a [Notice of Proposed Rulemaking](#) (NPRM) on April 21, 2023, that deals with the band. In a prior petition, ARRL The National Association for Amateur Radio® urged protecting the existing use of the band by amateurs when adding a new allocation adopted internationally.

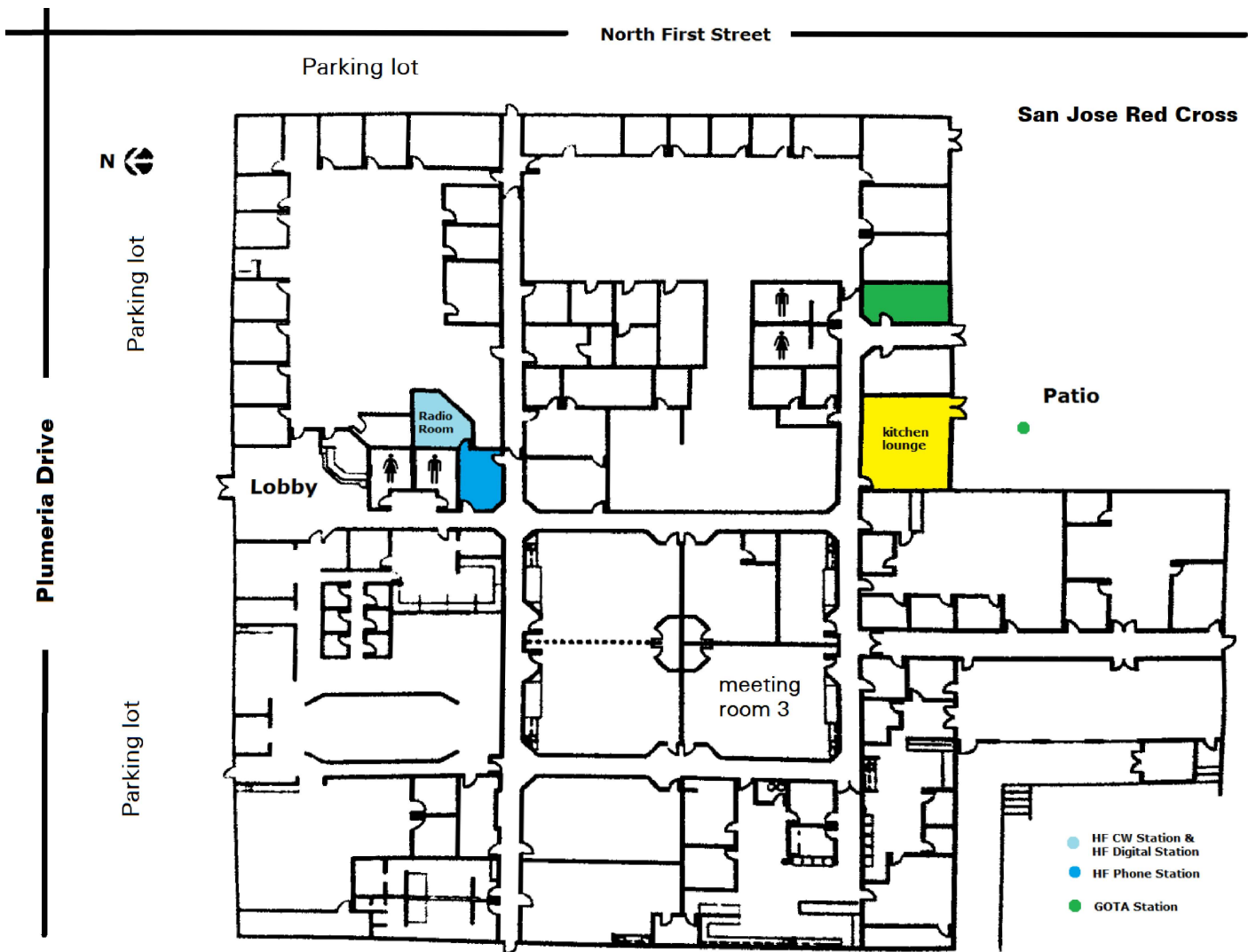
(<https://www.fcc.gov/document/fcc-implements-and-proposes-final-acts-wrc-19-and-wrc-15>)



Currently, radio amateurs in the US have access to five discrete channels on a secondary basis: 5332 kHz, 5348 kHz, 5358.5 kHz, 5373 kHz, and 5405 kHz. Users of these channels are limited to an effective radiated power (ERP) of 100 W PEP.

The FCC proposes to allocate 15 kHz of contiguous bandwidth between 5351.5 - 5366.5 kHz on a secondary basis with a maximum power of 15 W EIRP (equivalent to 9.15 W ERP). This allocation was adopted at the 2015 World Radiocommunication Conference (WRC-15).

The federal government is the primary user of the 5 MHz spectrum. The government's manager of spectrum use, the National Telecommunications and Information Administration (NTIA), has expressed support for implementing the allocation as adopted at WRC-15. Doing so would result in amateurs losing access to four of the five discrete channels, and power limits would



We'll be at the Red Cross during Field Day. The HF CW and Digital station will be in the radio room, that's the club station (light blue). The HF Phone station will be in the small meeting room (dark blue). The GOTA station will be on the patio during the day (green dot) and moved indoors to the room (green) down the hall from the kitchen at night. Meals will be on the patio for the BBQ or in the kitchen/lounge (yellow).

be reduced from 100 W ERP to 9.15 W ERP. However, it would provide access to a new contiguous 15 kHz band that includes one of the current five channels.

[In 2017, ARRL petitioned the FCC](http://www.arrl.org/files/file/Regulatory/Petition%20for%20Rule%20Making%205%20MHz%20FINAL%20January%20012,%202017.pdf) to keep the four 60-meter channels that fall outside the new band, as well as the current operating rules, including the 100 W PEP ERP limit. (http://www.arrl.org/files/file/Regulatory/Petition for Rule Making 5 MHz FINAL January 012, 2017.pdf)

The ARRL petition stated, "Such implementation will allow radio amateurs engaged in emergency and disaster relief communications, and especially those between the United States and the Caribbean basin, to more reliably, more flexibly, and more capably conduct those communications."

ARRL said that years of amateur radio experience using the five discrete channels have shown that amateurs can coexist with primary users at 5 MHz while complying with the regulations established for their use. The petition also stated, "Neither ARRL, nor, apparently, NTIA, is aware of a single reported instance of

interference to a federal user by a radio amateur operating at 5 MHz to date."

[In the NPRM](https://www.fcc.gov/document/fcc-implements-and-proposes-final-acts-wrc-19-and-wrc-15), the FCC recognizes that Canada has already adopted 60-meter allocations and related rules that align with those proposed by ARRL. The Commission wrote, "Finally, we note that Canada has essentially implemented the same rules as ARRL has requested." (https://www.fcc.gov/document/fcc-implements-and-proposes-final-acts-wrc-19-and-wrc-15)

The FCC proposed to allocate the 15 kHz bandwidth, but stopped short of making a proposal on whether the existing channels should remain allocated to amateur radio and what the power limitations should be. They requested comments on their proposal and the related channel and power issues.

Comments will be due 60 days after the NPRM is published in the Federal Register, which is expected within the next two weeks.

{The "next two weeks" would be around May 11, 2023. -- Editor}

From *The ARRL Letter*, May 4, 2023

ARRL Helps Radio Amateurs Comply with New RF Exposure Evaluation Rules

ARRL The National Association for Amateur Radio® provides free, comprehensive resources to help radio amateurs ensure they are compliant with the new RF exposure rules.

On May 3, 2021, [new FCC rules governing RF exposure](#) evaluations went into effect. While the exposure limits were not changed, the requirement to conduct an evaluation was made more broadly applicable to amateur licensees. A 2-year transition period was implemented to allow existing amateur licensees to conduct evaluations and make any changes necessary to ensure that their station complies with the exposure rules. On May 3, 2023, the transition period ended. All licensees must now conduct evaluations of their current station and reassess compliance when making changes to their stations that would affect exposure going forward.

(<http://www.arrl.org/news/updated-radio-frequency-exposure-rules-become-effective-on-may-3>)

As detailed in a [May 2023 QST article by Greg Lapin, N9GL](#), the rules now require amateur radio operators to perform station evaluations. The Amateur Radio Service is no longer categorically excluded from certain aspects of the RF exposure rules, and licensees can no longer avoid performing an exposure assessment simply because they are transmitting below a given power level. ([http://www.arrl.org/files/file/Lab/RF Exposure/2023-05 Lapin FCC Exposure Rules.pdf](http://www.arrl.org/files/file/Lab/RF%20Exposure/2023-05%20Lapin%20FCC%20Exposure%20Rules.pdf))

The ARRL website features an [RF Exposure landing page](#) with resources, such as an RF exposure calculator, the entire RF Safety section from the 100th Edition of the ARRL The Handbook, a video explaining the topic, FAQs about the subject, and more. These tools and resources are available to the public without an ARRL membership or website account. (<http://www.arrl.org/rf-exposure>)

From *The ARRL Letter*, May 25, 2023

ARRL and FEMA Sign Agreement: Ham Radio is as Relevant as Ever

ARRL The National Association for Amateur Radio® has entered into an updated [Memorandum of Agreement](#) (MOA) with the Federal Emergency Management Agency (FEMA). The agreement will enhance cooperation between ARRL's emergency communications program, the Amateur Radio Emergency Service® (ARES®), and FEMA in providing disaster communications. The agreement emphasizes the importance of skilled Amateur Radio Operators in times of crisis and the role of ARES leadership within the emergency communications space.

(<http://www.arrl.org/served-agencies-and-partners>)

ARES (see the ARES fact sheet at www.arrl.org/ares) is a network of trained Amateur Radio Service licensees organized across the country to provide communications and other support to served agencies, such as local governments, hospitals, and disaster response charities. More than 20,000 ARES volunteers actively participate in the ARRL



FEMA



program. In 2022, they provided more than 420,000 labor hours of service saving local officials \$13.4 million in personnel costs.

Each member of ARES has specialized training in emergency communications. Many have also completed training in the National Incident Management System (NIMS) in order to integrate with local officials during an emergency response.

In March 2023, FEMA released the final version of the NIMS Information and Communications Technology (ICT) Functional Guidance, which includes [radio amateurs in the response ecosystem and national emergency preparedness](#). (<https://www.arrl.org/news/amateur-radio-included-in-fema-guide-for-national-emergency-preparedness>)

“The agreement is representative of the continued commitment and cooperation between FEMA and ARRL,” said ARRL Director of Emergency Management Josh Johnston, KE5MHV. “Serving our country during emergencies is an important service provided by ARES volunteers and a principal purpose of our Amateur Radio Service. Our well-equipped volunteers bring their training, use of innovative technologies, and community partnerships together to serve before and during disasters.”

FEMA announced the new agreement on Twitter stating, “We recently signed a new MOA with arrl -- establishing our partnership with licensed, voluntary amateur radio operators to support response [and] recovery efforts. We're honored to work side-by-side to meet the needs of millions in the wake of disasters.”

Read the full story on the [ARRL website](#).

(<https://www.arrl.org/news/arrl-and-fema-sign-agreement-ham-radio-is-as-relevant-as-ever>)

Marconi's Yacht will be On the Air

Marconi's yacht will be on the air from June 10 - 11, 2023, with the special event call sign IY4ELE. For the past 9 years, the A.R.I. Fidenza (Italian Amateur Radio Association), has celebrated a technical and cultural event for the Guglielmo Marconi Foundation at Villa Griffone in Pontecchio Marconi, Bologna, Italy (Guglielmo Marconi's birthplace). The purpose of the event is to highlight, at an international level, the historical value and meaning of Marconi's yacht, Elettra, which was the moving laboratory of the great Italian scientist. Several important radiocommunications experiments were conducted on board the yacht by Marconi during the interwar period. Over the event weekend, amateur radio operators from around the world will have a chance to contact IY4ELE, which will be operated by A.R.I. Fidenza club members via a radio station located near the keel of the Elettra. For more information, visit www.arifidenza.it.

Antenna for Sale

I am selling a Ciro Mazzone Automatic Magnetic Loop Antennas Stealth, brand new in unopened box.

DX Engineering sells it for \$1,799.99, plus taxes and shipping it will cost over \$2,000.00. Asking price \$1,600.00. Pickup in West San Jose, CA near Santana Row.

The Stealth Loop by I3VHF Ciro Mazzone introduces the Stealth Loop - a compact HF transmitting antenna that offers



automatic tuning continuous coverage from 6.6 to 29.8 MHz when interfaced with a supported HF transceiver. It handles 125 watts and tunes to a 1.3:1 SWR. This fantastic antenna is only 54 inches long, 19.6 inches high and 10.2 inches wide and weighs only 15.4 lbs. It is made with a very rugged 60/60 aluminum alloy and powder coated in a dark green finish that is perfect for stealth operations. The Stealth Loop is an excellent portable and stealth HF antenna for 40 through 10 meters. It is intended to be set on a metal table or bench, will work well when placed on top of the metal roof of your parked vehicle and will also work when placed directly on the ground. An optional metal-fabric ground plane mat is available if a non-metallic (wood or plastic) table must be used, or a sheet of metal or metal screen may be used instead, which measures about 5 ft. 3 in. x 2 ft. 6 in. SWR adjustment is made with height adjustable feet.

The included ATU 2.0 Automatic Tuner Unit Loop Antenna Controller operates the tuning motor of the Stealth Loop remotely via an included two-conductor 16.4 ft. control cable (Extension Cable assemblies are available).



Contact Ned AC6YY 408 690-7250
73

Flea Market



Our food booth at the electronics flea market, May 14, 2023.

From left to right
?, Gary Mitchell WB6YRU, Alvin Wong W6ATW, John Parks W6JPP, Lou Steirer WA6QYS, Gregg Lane KF6FNA, Dave Cooper K6WA... and two customers

Photo by Kelly WB6AAJ

Meeting Minutes

General Meeting, May 8, 2023



Room 3, American Red Cross, N 1st & Plumeria, San Jose, CA

Meeting called to order by President Gregg Lane KF6FNA at 7:47 PM

Customary self introductions.

Announcements

President Gregg KF6FNA:

The electronic flea market will be next Sunday, May 15. We host Field Day is June 24 and 25

The club station will be open May 27, in June we'll use the club station during Field Day.

Discussion about preparations for hosting the flea market: what we need to buy for the food booth etc. We'll need volunteers (a sign-up sheet was passed around).

It's at West Valley College. Maps are in the SCCARA-GRAM, with the URL to them.

We will start setting up at 5 AM, selling starts at 6 AM ends at 12 noon. Then tear-down and clean up. We'll be out of there by 1 PM.

The usual talk-in used during the flea market is the NFI repeater, 145.23-, PL 100 Hz, but it may not work well at West Valley College in Saratoga.

We won't have a club sales booth this time.

Field Day:

This year we'll do it at the club station, San Jose Red Cross. One station (Get-on-the-Air) will be on the patio, which will be moved in-doors at night. The others will be at the regular club station. We'll have 3 stations: HF phone, HF CW/Digital, and HF GOTA. Class 2F.

Don K6PBQ will manage the meals/food. We'll have a BBQ lunch and dinner Saturday, breakfast Saturday morning and Sunday morning. The club will supply hotdogs and misc. all the rest will be pot luck. There is a refrigerator and stove available in the kitchen (break room).

Last time people taking classes or donating blood were invited to see what we're doing and enjoy some food at our BBQ. Red Cross Blood Services dept. got good reports and were happy with it all. We'll do the same this year.

Gary WB6YRU will make up signs for each station.

Don K6PBQ: Dick Letrich won a transceiver, Yaseu FT-DX10, but doesn't need it. If anyone is interested in buying it, I can give you details.

Lou WA6QYS: Thanks for the condolence card (Gwen SK)

Meeting adjourned at 8:58 PM

Gary Mitchell, WB6YRU, recording for the Secretary

Board Meeting, May 15, 2023



Held verbally on our 2 m repeater W6UU/R

Meeting called to order by President Gregg Lane KF6FNA at 7:38 PM

Attendance:

President Gregg Lane KF6FNA, Treasurer Ned Tufekcic AC6YY, Station Trustee Don Village K6PBQ, Director Lou Steirer

WA6QYS, Director Wally Britten KA6YMD, Director Truman Lindsey N6TRU, Director Doug Owens N6DPO.

Unexcused Absence: VP John Parks W6JPP, Secretary Lloyd DeVaughns KD6FJI,, Director Ben Shuford KK6CCU.

No excused absences.

Visitors: Editor Gary Mitchell WB6YRU, KN6WFM Drew, KK6HWN Paul

Announcements:

Gregg KF6FNA: Flea market was a success, thanks to all who helped. We have yet to have the resulting statistics.

SCCARA-GRAM deadline is the last Monday of the month, May 29.

Field Day is June 24 and 25, the next general meeting will be about Field Day.

Lou WA6QYS: Thanks to everyone who helped with the flea market, results will be coming later.

President's Report, Gregg KF6FNA: Nothing new to report.

Vice President's Report, John W6JPP: (absent)

Secretary's Report, Lloyd KD6FJI:

Gregg KF6FNA: The previous board meeting minutes were published in the SCCARA-GRAM, any corrections? (none heard) Approved by acclamation.

Gary WB6YRU: Director Ben Shuford, KK6CCU has not renewed as far as I know, thus has effectively resigned.

Treasurer's Report, Ned AC6YY:

Checking = \$ 9853.29, Cash = \$ 68.04.

Trustee's Report, Don K6PBQ: Club station will be open Sat. May 27th, 10 AM to 5 PM. We're still working on our Worked All States award.

Standing Committees

Editor's report: Gary WB6YRU: We just had our turn hosting the flea market, I hope there's an article in the works on that. So far we have one photo. And the next edition will be the last one before Field Day, we'll need the details about that.

BBS Sysop's report: Gary WB6YRU: Nothing new to report

Repeater chairman's report, Wally KA6YMD: Repeaters are working fine, no inter-mod problem detected, except when only one particular person is net control, which is strange.

Webmaster's report, Wally KA6YMD: Keeping it updated.

Old Business:

Gregg KF6FNA: Regarding Field Day: We have antenna work pending at the Red Cross.

We have a dipole that needs installation, a balun to repair, and coax to install for the additional station. Don K6PBQ is our food chairman, there'll be info in the SCCARA-GRAM about that. Our June 12 general meeting will be about Field Day.

Ned AC6YY: The balun has ferrite beads, one is cracked. Working on it.

Gregg KF6FNA: John W6JPP needs people to do some antenna work.

Regarding the flea market: Some have parking tickets, we'll get those reimbursed at the next meeting.

New Business:

Paul KK6HWN: re our BBS, the SCCARA-GRAM lists it as 145.09, ARES/RACES still has it listed as 144.93.

Meeting adjourned at 8:10 PM

Gary Mitchell WB6YRU, recording for the Secretary

Special Board Meeting, April 24 2023



Held by telephone

Topic: ASVARO Electronics Flea Market Invoice

On Tuesday, April 18, 2023 SCCARA received an invoice for \$850 from ASVARO to sponsor the May 14, 2023 Electronics Flea Market at West Valley College. Since the next SCCARA BOD meeting would not be until after the Flea Market, a special board meeting was called, held by telephone. The only board member who could not be reached was Lloyd KD6FJI.

A motion to pay the invoice was made by Lou WA6QYS, second by Don K6PBQ. All attending board members voted YES. As per the bylaws, there was one automatic No vote. The motion passed. A check has been mailed by secretary Ned AC6YY.

Gregg Lane KF6FNA

Packet Pieces

Downloaded from the BBS packet network:

=====
Date: 16 Mar 2020 23:24
From: GM3YEW@GB7YEW
To: HUMOUR@WW
Subject: jokes 17/3

1. Two antennas met on a roof, fell in love and got married. The ceremony wasn't much, but the reception was excellent.
2. A set of jumper cables walks into a bar. The bartender says, 'I'll serve you, but don't start anything.'
3. Two peanuts walk into a bar, and one was a salted.
4. A dyslexic man walks into a bra.
5. A man walks into a bar with a slab of asphalt under his arm, and says: 'A beer please, and one for the road.'
6. Two cannibals are eating a clown. One says to the other: 'Does this taste funny to you?'
7. 'Doc, I can't stop singing The Green, Green Grass of Home.'
'That sounds like Tom Jones Syndrome.'
'Is it common?'
♪ 'Well... It's Not Unusual ... ! ♪
8. Two cows are standing next to each other in a field. Daisy says to Dolly, 'I was artificially inseminated this morning.'
'I don't believe you,' says Dolly.
'It's true; no bull!' exclaims Daisy.

9. An invisible man marries an invisible woman. The kids were nothing to look at either.

10. Deja-Moo: The feeling that you've heard this bull before.

11. I went to buy some camouflage trousers the other day, but I couldn't find any.

12. A man woke up in a hospital after a serious accident. He shouted, 'dDoctor, doctor, I can't feel my legs!'

The doctor replied, 'I know you can't, I've cut off your arms!'

13. I went to a seafood disco last week... And pulled a mussel.

14. What do you call a fish with no eyes? A fsh.

15. Two fish swim into a concrete wall. The one turns to the other and says, 'Dam!'

16. Two Eskimos sitting in a kayak were chilly, so they lit a fire in the craft. Unsurprisingly it sank, proving once again that you can't have your kayak and heat it too.

17. A group of chess enthusiasts checked into a hotel, and were standing in the lobby discussing their recent tournament victories. After about an hour, the manager came out of the office, and asked them to disperse.

"But why?" they asked, as they moved off.

'Because,' he said, 'I can't stand chess-nuts boasting in an open foyer.'

18. A woman has identical twins, and gives them up for adoption. One of them goes to a family in Egypt, and is named 'Ahmal.' The other goes to a family in Spain; they name him 'Juan.' Years later, Juan sends a picture of himself to his birth mother. Upon receiving the picture, she tells her husband that she wishes she also had a picture of Ahmal. Her husband responds, 'They're twins! If you've seen Juan, you've seen Ahmal.'

19. Mahatma Gandhi, as you know, walked barefoot most of the time, which produced an impressive set of calluses on his feet. He also ate very little, which made him rather frail. And with his odd diet, he suffered from bad breath. This made him a super-calloused fragile mystic hexed by halitosis.

20. And finally, there was the person who sent twenty different puns to his friends, with the hope that at least ten of the puns would make them laugh. No pun in ten did!



Need Help?

Amateurs have a long history of helping each other. An experienced amateur who helps another is traditionally called an "Elmer." If you have a question or problem, you are encouraged to ask one of SCCARA's Elmers. Below is a list of topics and who to contact for each. If your topic isn't listed, ask one of the Elmers under the topic that comes closest and we'll ask around.

If you consider yourself to be reasonably competent in at least one area of amateur radio and would be willing help others, please fill out an Elmer form (available from the club secretary or

on our web site).

Topics:

Antennas, feed-lines, tuners: **NV6W, W6JPP, K6PBQ**

CW (Morse code): **NV6W, K6PBQ**

DX (long distance, propagation): **NV6W**

EchoLink: **K6GKB**

Emergency operating, preparedness: **WA6QYS**

HF operating techniques: **NV6W, K6PBQ**

Homebrew projects, construction: **WB6YRU**

Legal, FCC rules: **WB6YRU**

License testing, new amateurs: **W6JPP**

Lightning protection, grounding: **WB6YRU**

Packet Network (BBS, forwarding): **WB6YRU**

SCCARA (club inner workings): **K6PBQ, WB6YRU, WA6QYS**

Station set-up, equipment: **K6PBQ, W6JPP**

TVI, RFI: **WB6YRU**

Contacts:

K6GKB, Goetz Brandt, 408-259-7287

e-mail: goetz@ix.netcom.com

NV6W, James D. Armstrong, Jr.,

evening & msg: 408-670-1680

W6JPP, John Parks

e-mail: w6jpp@arrl.net

K6PBQ, Don Village, 408-263-2789

e-mail: donvillage7@yahoo.com

WA6QYS, Lou Steirer, 408-241-7999

e-mail: wa6qys@arrl.net

WB6YRU, Gary Mitchell, 408-269-2924

packet: home BBS N0ARY

e-mail: wb6yru@ix.netcom.com

Newsletter Notes

From the RF Exposure article, there's good news and bad news. The bad news is we are no longer exempt, we all must do a RF exposure evaluation. The good news is the ARRL RF exposure calculator <http://www.arrl.org/rrf-exposure-calculator> makes it *very* easy, and the typical amateur installation is well within the limits.

That ARRL calculator makes it simple to do "what if" experiments. Just fill in the power at the antenna (worst case, assume no feed-line loss, so that's just the transmitter output), antenna gain, frequency, mode, and transmit duty cycle.

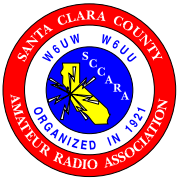
For example: Suppose we ran 100 W on 28 MHz using a dipole on the roof at our club station, using RTTY (transmitting at 100%), with a duty cycle of 5 on and 10 off. The minimum safe distance from the antenna is only about 8 feet. It will be even less at lower frequencies.

So, don't panic, it's not that bad. 😊

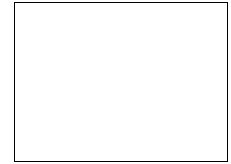
And don't forget to join us for Field Day, make some contacts, enjoy some food, hang out.



73, Gary WB6YRU, editor



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FIRST CLASS

ADDRESS SERVICE REQUESTED

SCCARA Membership Form for 2023

If renewing and none of your info has changed, we only need your name and call

Name: _____ Call: _____ Class: _____

Address: _____ Licensed since (year): _____

City: _____ State: _____ Zip+4: _____

Telephone: _____ New Member Renewal I'm also an ARRL member

E-mail: _____

only for club communications and the SCCARA-GRAM newsletter (pdf)

Membership type and dues: Individual, \$20 Family, \$25 Student, \$10 (under 18)

Memberships start January 1 and expire December 31.

Family memberships (more than one member per household): please include the above info for each member, use separate forms.

New members:

Dues are prorated: dues x (11 - month) x 10% For example: July would be \$20 x (11-7) x 0.1 = \$8)

If joining in November or December: normal dues for next year, the rest of this year is included free.

I want the paper newsletter delivered by U.S. Mail for an additional \$15 per year

(Prorated, \$1.25 per month. That's \$13.75 if starting in February, \$12.50 if starting in March, etc.)

\$ _____ **Total** enclosed

Give this completed form and payment to the Secretary or Treasurer at any meeting or mail to the club address.